

That which is claimed is:

1. An isolated nucleic acid comprising a sequence encoding a fragment of CREB binding protein (CBP), wherein said fragment includes all or a portion of CBP which binds
5 to CREB.
2. The isolated nucleic acid of claim 1 wherein said fragment includes the arginine residue at position 600 of SEQ ID NO:2
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3. The isolated nucleic acid of claim 1 wherein said fragment of CBP is 1-661 of SEQ ID NO:2.
4. The isolated nucleic acid of claim 1 wherein said
15 fragment of CBP is 461-661 of SEQ ID NO:2.
5. The isolated nucleic acid of claim 1 wherein said fragment of CBP is 634-648 of SEQ ID NO:2
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6. An isolated nucleic acid comprising a sequence encoding a mutant fragment of CREB binding protein (CBP), wherein said fragment includes all or a portion of CBP which binds to CREB.
- 25 7. The isolated nucleic acid of claim 1 wherein said fragment the residue at position 600 of SEQ ID NO:2 is an amino acid other than arginine.

8. The isolated nucleic acid of claim 1 wherein said fragment includes the residue at position 600 of SEQ ID NO:2 is glutamine.

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9. A CBP fragment encoded by the sequence of claim 1.

10. An antibody reactive with the CBP fragment of claim 9.